

REMARKS/ARGUMENTS

I. Amendments to Claims 1, 4, 5, 6, 9, 10, 21, and 27, and the Addition of New Claim 45.

Claims 1, 4, 5, 6, 9, 10, 21, and 27 are amended herein to correct typographic errors and to adjust the claims to be more consistent with the written description. New Claim 45 was added to include one embodiment of the invention as previously disclosed in the written description. The amendments to Claims 1, 4, 5, 6, 9, 10, 21, and 27, and the addition of Claim 45, were not made for reasons related in any way to the patentability of those claims or in response to any communication with the Patent Office.

II. Addition of New Claims 31 – 44.

Claims 31 – 44 are copied from United States Patent Number 6,659,651, granted December 9, 2003, to *Gary A. Turner* and *Mark Edward Rogers* and assigned to Dana Corporation of Toledo, Ohio. The application for the Turner patent was published by the Patent Office under the pre-grant publication rules of 35 U.S.C. §122(b) on November 27, 2003. New Claims 31 – 44 correspond to Claims 1 – 14, respectively, of the *Turner* patent.

In accordance with 37 C.F.R. §1.607 (a), the copied claims may be specifically applied to the Applicants' claims, and Applicants present the following proposed counts for an interference as follows:

Count 1:

1. A differential, comprising:

a differential carrier disposed about a first axis;

a differential case disposed within said differential carrier;

a bearing assembly disposed about said first axis between said differential

carrier and said differential case, said bearing assembly allowing said

differential case to rotate within said differential carrier

wherein said differential carrier includes a first plurality of threads disposed on

a radially inner surface and said bearing assembly includes a cup having a

second plurality of threads disposed on a radially outer surface configured

to engage said first plurality of threads.

Applicants submit that proposed Count 1 corresponds to Claim 1 of U.S. Patent No. 6,659,651 and to Applicants' Claim 1; Claim 16; and Claim 31.

Count 2:

2. The differential of claim 1, further comprising a deformable member coupled to said cup of said bearing assembly, at least a portion of said

deformable member deformed and inserted into a slot in said differential carrier upon alignment of said bearing assembly within said differential carrier.

Applicants submit that proposed Count 2 corresponds to Claim 2 of U.S. Patent No. 6,659,651 and to Applicants' Claims 1 and 2; Claims 16, 17, 23, and 26; Claims 16 and 24; and Claim 32.

Count 3:

3. The differential of claim 2, further comprising a plurality of fasteners coupling said deformable member to said cup of said bearing assembly.

Applicants submit that proposed Count 3 corresponds to Claim 3 of U.S. Patent No. 6,659,651 and to Applicants' Claims 1, 11, and 12; Claims 1, 11, and 15; Claims 16, 24, and 25; Claims 16, 17, 23, and 26; and Claim 33.

Count 4:

4. The differential of claim 3 wherein said deformable member is disposed about said first axis and said fasteners are equally angularly spaced about said deformable member.

Applicants submit that proposed Count 4 corresponds to Claim 4 of U.S. Patent No. 6,659,651 and to Applicants' Claims 1, 11, and 12; Claims 1, 11, and 15; Claims 16, 24, 25; Claims 16, 17, 23, and 26; and Claim 34.

Count 5:

5. The differential of claim 3 wherein at least one of said plurality of fasteners comprises a pin.

Applicants submit that proposed Count 5 corresponds to Claim 5 of U.S. Patent No. 6,659,651 and to Applicants' Claims 1, 11 and 12; and Claim 35.

Count 6:

6. The differential of claim 2 wherein said deformable member is L-shaped in cross-section, having a first leg coupled to said cup of said bearing assembly and a second leg extending perpendicular to said first leg and away from said cup of said bearing assembly.

Applicants submit that proposed Count 6 corresponds to Claim 6 of U.S. Patent No. 6,659,651 and to Applicants' Claims 1 and 11; and Claim 36.

Count 7:

7. A differential, comprising:

a differential carrier disposed about a first axis;

a differential case disposed within said differential carrier;

a bearing assembly disposed about said first axis and between said differential

carrier and said differential case, said bearing assembly allowing said

differential case to rotate within said differential carrier; and,

a deformable member coupled to a cup of said bearing assembly wherein at

least a portion of said deformable member is deformed and inserted into a

slot in said differential carrier upon alignment of said bearing assembly

within said differential carrier.

Applicants submit that proposed Count 7 corresponds to Claim 7 of U.S. Patent No. 6,659,651 and to Applicants' Claims 16, and 24; Claims 16, 17, 23, and 26; Claims 28 and 30; and Claim 37.

Count 8:

8. The differential of claim 7, further comprising a plurality of fasteners coupling said deformable member to said cup of said bearing assembly.

Applicants submit that proposed Count 8 corresponds to Claim 8 of U.S. Patent No. 6,659,651 and to Applicants' Claims 16, 24, and 25; Claims 16, 17, 23, and 26; Claims 28 and 30; and Claim 38.

Count 9:

9. The differential of claim 8 wherein said deformable member is disposed about said first axis and said fasteners are equally angularly spaced about said deformable member.

Applicants submit that proposed Count 9 corresponds to Claim 9 of U.S. Patent No. 6,659,651 and to Applicants' Claims 16, 24, and 26; Claims 16, 17, 23, and 25; Claims 28 and 30; and Claim 39.

Count 10:

10. The differential of claim 8 wherein at least one of said plurality of fasteners comprises a pin.

Applicants submit that proposed Count 10 corresponds to Claim 10 of U.S. Patent No. 6,659,651 and to Applicants' Claims 16, 24, and 25; and Claim 40.

Count 11:

11. The differential of claim 7 wherein said deformable member is L-shaped in cross-section, having a first leg coupled to said cup of said bearing assembly and a second leg extending perpendicular to said first leg and away from said cup of said bearing assembly.

Applicants submit that proposed Count 11 corresponds to Claim 11 of U.S. Patent No. 6,659,651 and to Applicants' Claims 16 and 24; Claims 16, 17, 23, and 26; Claims 28 and 30; and Claim 41.

Count 12:

12. A method of assembling a differential, comprising the steps of:
providing a differential carrier and a differential case disposed within said
differential carrier, said differential carrier and said differential case
disposed about a first axis and said differential carrier having a first
plurality of threads on a radially inner surface;
inserting a bearing assembly between said differential carrier and said differential
case, said bearing assembly including a cup having a second plurality of
threads disposed on a radially outer surface and configured to engage
said first plurality of threads; and,
rotating said bearing assembly until a predetermined alignment position is
reached.

Applicants submit that proposed Count 12 corresponds to Claim 12 of U.S. Patent No.
6,659,651 and to Applicants' Claim 1; Claims 16, 17, 18, and 19; and Claim 42.

Count 13:

13. The method of 12, further comprising the steps of:
affixing a deformable member to said cup of said bearing assembly;
deforming at least a portion of said deformable member after reaching said
predetermined alignment position; and,
inserting said at least a portion of said deformable member into a slot in said
differential carrier.

Applicants submit that proposed Count 13 corresponds to Claim 13 of U.S. Patent No. 6,659,651 and to Applicants' Claims 1 and 2; Claims 16, 17, 18, and 19; Claims 16, 24, and 25; Claims 28 and 30; and Claim 43.

Count 14:

14. The method of claim 13 wherein said rotating step includes the substeps of:
inserting a tool through an aperture in said deformable member; and,
moving said tool until said bearing assembly reaches said predetermined
alignment position.

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Applicants submit that proposed Count 14 corresponds to Claim 14 of U.S. Patent No. 6,659,651 and to Applicants' Claims 1 and 11; Claims 16 and 27; Claim 28; and Claim 44.

III. The Appendix

Applicant submits herewith an appendix in which the claims copied from the Turner patent are applied to the disclosure in applicants' application, all in accordance with 37 CFR 1.607(a)(5).

IV. Payment for Addition of New Claims.

Applicants enclose a check in the amount of **\$622** for the examination of four additional independent claims (\$352) and 15 claims in addition to the number of originally submitted (\$270). The Commissioner is authorized to charge any additional fees to Deposit Account 162201 or credit any overpayments to Deposit Account 162201.

Respectfully submitted,



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